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Message Text

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PAGE 01 LONDON 04040 141141Z
ACTION EB-08

INFO OCT-01 EUR-12 ISO-00 IO-14 CAB-05 CIAE-00 COME-00
DODE-00 DOTE-00 INR-10 NSAE-00 L-03 /053 W
----------099912 141209Z /16
O R 141133Z MAR 78
FM AMEMBASSY LONDON
TO FAA WASHDC IMMEDIATE
INFO FAA BRUSSELS
AMEMBASSY MOSCOW IMMEDIATE
SECSTATE WASHDC 4098

UNCLAS LONDON 04040

WASHDC PASS ADA-1, AED-1, ARD-700, ANA-2
MOSCOW PASS J. W. COCHRAN, FAA ASSISTANT ADMINISTRATOR

E.O. 11652: N/A
TAGS: EAIR, UK
SUBJECT: MLS DATA TEAM REPORT

1. IN VERBAL CONVERSATIONS WITH RAE PERSONNEL, IT WAS STATED THAT DMLS EQUIPMENT MODIFICATIONS ORIGINALLY ANNOUNCED IN L-BIP-3, PAGE 1-4; U.K. ICAO SUBMISSION AMENDMENT 4, DATED JAN. 1977 (PAGE 1.4, VOL. 1); AND AWO/78-WPS DATED 26/10/77 (PAGE 1-4), HAVE NOT BEEN ACCOMPLISHED. WE DO NOT HAVE FACTUAL PROOF THAT THEY HAVE NOT BEEN ACCOMPLISHED, ONLY HEARSAY.

2. SUGGEST THAT NAFEC RECORD THE DMLS VIDEO AT JFK AND ATTEMPT TO OBTAIN OSCILLOSCOPE PICTURES OF THE SIGNAL IN SPACE TO DETERMINE WHAT INFORMATION IS ACTUALLY BEING TRANSMITTED. THIS COULD BE USED TO VERIFY WHETHER OR NOT THESE MODS HAVE BEEN ACCOMPLISHED.

3. THE FOLLOWING MODS SUPPOSEDLY HAVE NOT BEEN INCORP-ORATED INTO THE EXISTING DMLS HARDWARE:
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A. 3X4 BITS FOR OCI (FAZ)
B. 2X4 BITS FOR OCI (ELEV)
C. 3X4 BITS FOR OCI (BAZ)
D. L20 KHZ DPSK

4. ON PAGE L-3 OF THE ABOVE DOCUMENTS IS REFERENCE TO

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THE LL BIT BARKER CODE. IT IS REPORTED THAT THIS
MODIFICATION HAS NOT BEEN ACCOMPLISHED EITHER.

5. IN VOL. 3 OF THE UK ICAO SUBMISSION AS UPDATED BY
AMENDMENT 5, DATED JAN. L978, PAGE 8.3-2, PAR. B.8.3.L
IT STATES THAT THE FUNCTION INDENT ANTENNA AND THE DATA
ELEMENT ANTENNA HAVE BEEN PHYSICALLY SEPARATED. BECAUSE
OF THE LARGE NUMBER OF FI FLAGS THE TEAM HAS SEEN WHILE
REVIEWING THE DMLS DATA, IT IS SUSPECTED THAT THIS MOD
MAY NOT HAVE BEEN ACCOMPLISHED EITHER.

6. NEAR THE END OF THE DMLS FILM WHICH THE CAA IS SHOWING
AT ITS TRIAL SITES, THE CAMERA SHOWS A "BLACK BOX" WHICH
THE SPEAKER SAYS IS THE DMLS VERSION OF THEIR AIR CARRIER
RECEIVER. IN A MEETING WITH WHITNEY, CAA, ON 2-27-78,
HE STATED THAT THIS IS AN EMPTY BOX AND THAT THE U.K.
DOES NOT HAVE AN AIR CARRIER RECEIVER BUILT YET.

7. ON PAGE 1.5 OF THE L-BIP-3 AND THE SUBMISSION AS WELL
AS ON PAGE 1.4 OF THE AWO/78-WPS, UNDER "ADDITIONAL
FEATURES INCORPORATED INTO THE FORMAT ARE"

A. GLIDEPATH DATUM ADJUSTMENT (CODING LIFT) - INITIAL
SYSTEM OPTION

RAE HAS STATED THAT THIS OPTION DOES NOT EXIST IN THE
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PRESENT HARDWARE. IT IS NOT KNOWN IF THE CAA HAS EVER
TESTED IT OR IF THIS IS JUST A PAPER DESIGN.

8. PAR. 1.1.3 OF THE REFERENCE DOCUMENTS, PAGE 1.5,
ENTITLED "GROUND SUB-SYSTEM-ANGLE GUIDANCE" STATES THAT
THERE IS A REMOTE CONTROL UNIT ASSOCIATED WITH THE
GROUND EQUIPMENT. IT IS QUESTIONABLE IF IT EXISTS.

9. BECAUSE OF THE APPARENT DISCREPANCIES BETWEEN THE
SYSTEM DESCRIPTION IN THE U.K. ICAO SUBMISSION AND WHAT
IS SUSPECTED OF BEING ACTUALLY INCORPORATED INTO THE
HARDWARE, IT IS RECOMMENDED THAT WHILE THE DMLS EQUIPMENT
IS AT JFK AN INVESTIGATION BE PERFORMED TO VERIFY EXACTLY
WHAT DESIGN CHANGES HAVE BEEN INCORPORATED INTO THE
EQUIPMENT AND WHAT ARE STILL JUST A PAPER DESIGN.
BENCIVENGA, ARD-722.

BREWSTER

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NNN

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Message Attributes

Automatic Decaptioning: Z
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: CIVIL AVIATION, MICROWAVE EQUIPMENT, NAVIGATIONAL AIDS
Control Number: n/a
Copy: SINGLE
Draft Date: 14 mar 1978
Decaption Date: 20 Mar 2014
Decaption Note: 25 YEAR REVIEW
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 jan 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978LONDON04040
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D780112-1158
Format: TEL
From: LONDON
Handling Restrictions:
Image Path:
ISecure: 1
Legacy Key: link1978/newtext/t19780372/aaaacioz.tel
Line Count: 112
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Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: e8eaf5c7-c288-dd11-92da-001cc4696bcc
Office: ACTION EB
Original Classification: UNCLASSIFIED
Original Handling Restrictions: ONLY
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
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Previous Classification: n/a
Previous Handling Restrictions: ONLY
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 15 mar 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3342425
Secure: OPEN
Status: NATIVE
Subject: MLS DATA TEAM REPORT
TAGS: EAIR, UK, FAA
To: FAA
Type: TE
vdkvgwkey: odbc://SAS/SAS.dbo.SAS_Docs/e8eaf5c7-c288-dd11-92da-001cc4696bcc
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